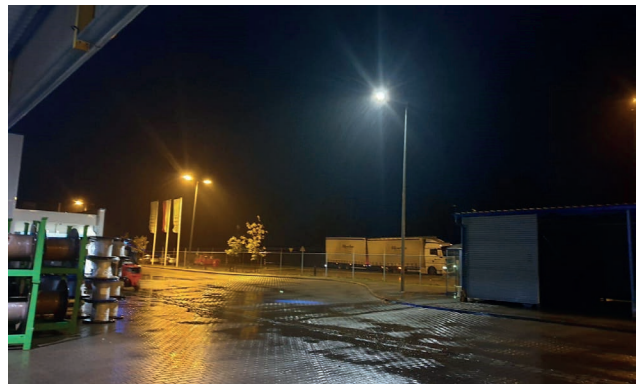


LED Street luminaires

KALIOPE



Class-leading efficacy – over 175 lm / W

Corrosion-resistant LEDs

Wide selection of optics

Various control systems available

Tool-free power supply compartment access

Safe pin connector

Manufactured in Poland



USAGE:

Highly efficient street luminaires.
Energy-saving lighting solutions for streets, roads motorways
and squares, with extra floodlight functionality

Maximum savings

- Class-leading efficacy > 175 lm / W
- High luminous flux
- Luminosity control options available for lighting management systems

Durability and safety

- Manufactured in Poland
- Long life operation
- Resistance to weather conditions
- Breather valve for pressure equalization
- Overvoltage protection
- 5 years (opt. 7 years) warranty

Simple installation and easy maintenance

- Vertical and horizontal mounting
- Adjustable mounting angle
- Tool-free power supply compartment access
- Safe pin power connector
- Low operating costs



KL1 luminaire



KL2 luminaire



Technical parameters, dimensions and weight

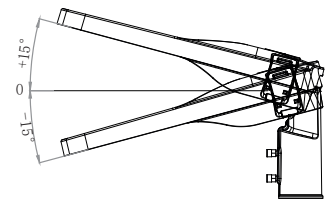
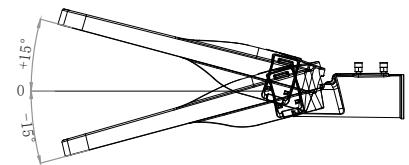
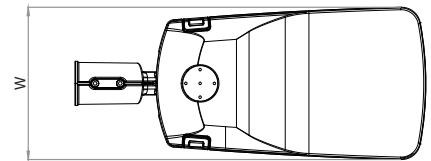
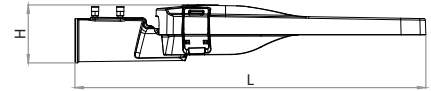
Luminaire name	Kaliopé KL1 M	Kaliopé KL1 S	Kaliopé KL1 D	Kaliopé KL2 E
Housing material	Pressure-injected aluminum body, tempered glass diffuser			
Luminaire power (maximum)	40 W	65 W	120 W	180 W
Color temperature of the CCT light source	3000 K, 4000 K, 5000, 6500 K			
Luminous flux (max power, 4000 K, Ra 70)	6 680 lm	11 180 lm	20 640 lm	30 600 lm
IEC protection class	I, II			
Supply voltage	190-265 V AC			
Network frequency	50/60 Hz			
Power factor	PF > 0.95			
Control (options)	DALI, PWM, 0 – 10 V, AstroDIM			
Color rendering index	Ra > 70, Ra > 80			
Working temperature	-40°C to +50°C			
LED lifetime (Ta = 25°C) L90B10	120.000 h			
IP class	IP66			
The degree of mechanical strength of the casing IK	IK09			
Mounting pole diameter	Ø60 mm			
Adjustment range of the luminaire angle	± 15°			
Luminaire mounting height	4 – 6 m	6 – 10 m	8 – 12 m	10 – 14 m
Weight	3,7 kg	5,0 kg	7,2 kg	10,7 kg
L (mm)	577	627	768	915
W (mm)	233	271	301	415
H (mm)	103	103	104	185

LED Street luminaires

KALIOPE

Standard equipment

- Power supply with overvoltage protection (L-N) / 10 kV (L/N-PE)
- Pin connector



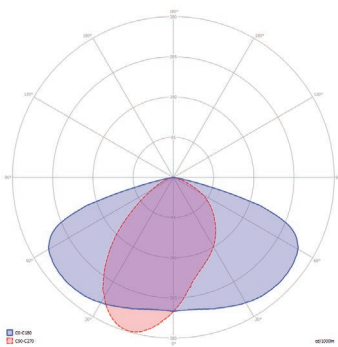
Additional options

- 10 kV overvoltage protection
- NTC thermal protection (temperature sensor on the LED module)
- Zhaga 18 connector for wireless communication
- Air pressure compensation valve

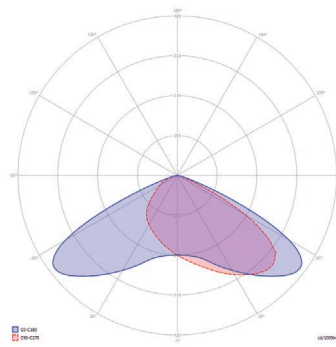
Light distribution curve configuration

Example light distribution curves for lenses:

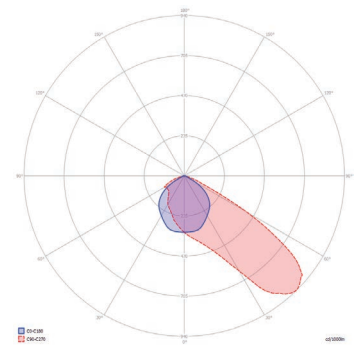
Type A – asymmetric



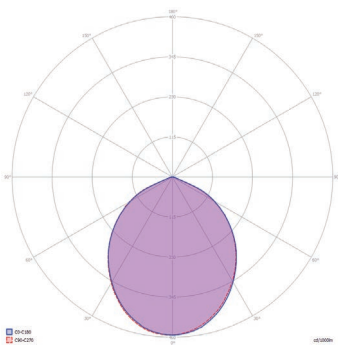
Type B – asymmetric



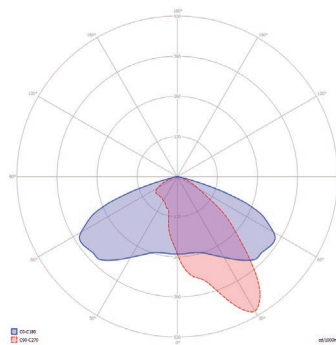
Type E – floodlights

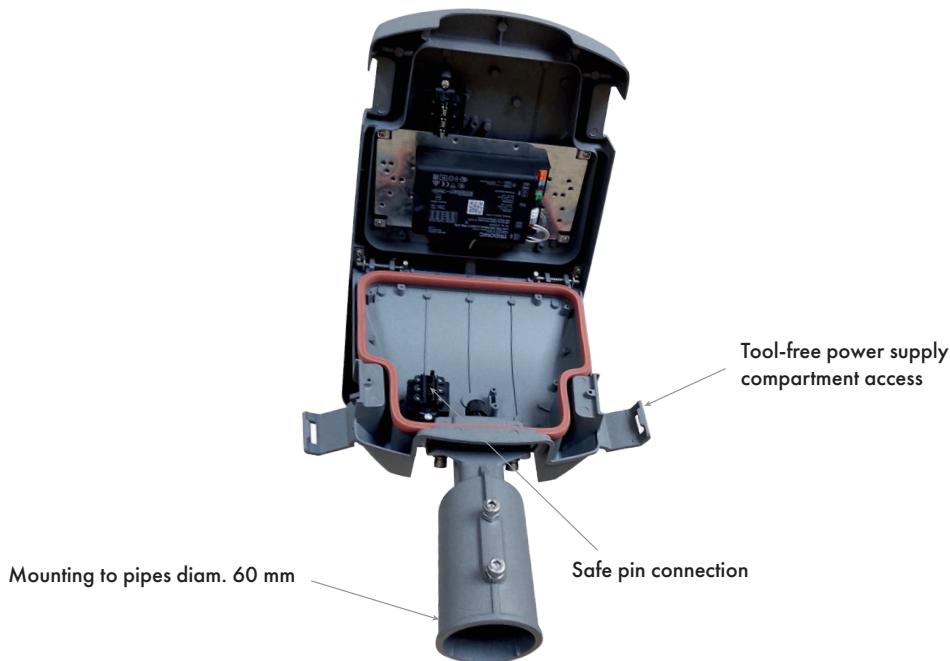


Type F – symmetric



Type H – asymmetric (KL2)





Name coding of the KALIOPE luminaire series

KLa - PSPbERfTC - OOOO

KLa product code – KL1 – Kalliope luminaire KL1
KL2 – Kalliope luminaire KL2

PSP PSU power [W]:
40 W
65 W
90 W
120 W
150 W
180 W

b Power control
N – no control
Z – 0-10 VD control
D – DALI control
C – AstroDIM
K – wireless communication (Zhaga 18 connector)

E IEC Protection class
1 – class I
2 – class II

R Luminaire size
M – small L = 577 mm
S – medium L = 627 mm
D – large L = 768 mm
E – very large L = 915 mm

f Overvoltage protection
„-“ – 6 kV (L-N) / 10 kV (L/N-PE)
H – 10 kV (L-N) / 10 kV (L/N-PE)

T color temperature [K]
3 – 3000 K
4 – 4000 K
5 – 5000 K
6 – 6500 K

C color rendering index [CRI]
7 – Ra > 70
8 – Ra > 80

OOOO optics
A000 – type A
B000 – type B
E000 – type E
F000 – type F
H000 – type H (KL2)




Coding example KL1-040N1M-47-B000

KL1 Kalliope version 1
040 power supply: 40 W
N No control
1 IEC class 1
M luminaire size – small, L = 577 mm
4 color temperature 4000 K
7 CRI > 70
B000 type B optics

Technical specification is subject to change
220810V05

LED Street luminaires

KALIOPE

   	KALIOPE KL1 230 VAC 	 40/65/120	 M/S/D/E	 / 	 4000 K	
		 260.000 h	 3.7 - 7.2 kg	 IP66	 70	
		 .. 172 lm/W	 NS/1-10 V/ DALI	 IK09	 -40° .. +50°C	T.GLASS
   	KALIOPE KL2 230 VAC 	 150/180 W	 E		 4000 K	
		 110.000 h	 10.7 kg	 IP 66	 70	
		 .. 170 lm/W	 NS/DALI	 IK 09	 -40° .. +45°C	T. GLASS

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